IN THE CLAIMS:

Please amend claims 1-4 as follows:

LISTING OF CURRENT CLAIMS

1.   (Currently Amended) A method for inter-cluster communication that employs register permutation, where ~~the~~ clustered functional units have some global registers, and the said ~~clusters~~ clustered functional units exchange data without actual data movement by permuting the said global registers of each cluster.

2.   (Currently Amended) The method for inter-cluster communication that employs register permutation according to claim 1, wherein the register permutation is done by dynamically changing ~~the~~ a port mapping between the global registers and the functional units.

3.   (Currently Amended) The method for inter-cluster communication that employs register permutation according to claim 2, wherein the said port mapping is done by a ~~crossbar router or by other routing structures~~routing structure.

4.   (Currently Amended) The method for inter-cluster communication that employs register permutation according to claim1, wherein neither the said of ~~the said~~ partitioned register files nor the number of the said ports is ~~limited~~scalable.

5.   (Original) The method for inter-cluster communication that employs register permutation according to claim 1, further comprising any number of cluster structures.